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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/526,164		
		Filing Date	February 28, 2005		
		First Named Inventor	Rob Hooft Van Huijsduijnen		
		Art Unit	1654		
		Examiner Name	Julie Ha		
Sheet	1	of	4	Attorney Docket Number	SLII-P01-002

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
/J.H./	CA	ANDERSON et al., 2001, Structural and evolutionary relationships among protein tyrosine phosphatase domains, Mol. Cell. Biol. 21:7117-7136		
	CB	ASANTE-APPIAH et al., 2001, The YRD motif is a major determinant of substrate and inhibitor specificity in T-cell protein-tyrosine phosphatase, J. Biol. Chem. 276:26036-26043		
	CC	BJORGE et al., 2000, Identification of Protein-tyrosine Phosphatase 1B as the Major Tyrosine Phosphatase Activity Capable of Dephosphorylating and Activating c-Src in Several Human Breast Cancer Cell Lines, J. Biol. Chem. 275(52):41439-41446		
	CD	BLASKOVICH et al., 2002, Recent discovery and development of protein tyrosine phosphatase inhibitors, Expert Opin. Ther. Patents, 12(6):871-905		
	CE	BLISKA et al., 1991, Tyrosine phosphate hydrolysis of host proteins by an essential <i>Yersinia</i> virulence determinant, Proc. Natl. Acad. Sci. USA 88:1187-1191		
	CF	BORDO and ARGOS, 1991, Suggestions for "Safe" Residue Substitutions in Site-directed Mutagenesis, J. Mol. Biol. 217:721-729		
	CG	BUCKLEY et al., 2002, Regulation of Insulin-Like Growth Factor Type I (IGF-I) Receptor Kinase Activity by Protein Tyrosine Phosphatase 1B (PTP-1B) and Enhanced IGF-I-Mediated Suppression of Apoptosis and Motility in PTP-1B-Deficient Fibroblasts, Mol. Cell. Biol. 22(7):1998-2010		
	CH	BURKE et al., 1996, Small Molecule Interactions with Protein-Tyrosine Phosphatase PTP1B and Their Use in Inhibitor Design, Biochem. 35:15989-15996		
	CI	COCHRAN, 2001, Protein-protein interfaces: mimics and inhibitors, Curr. Opin. in Chem. Biol 5:654-659		
	CJ	COCHRANE et al., 2000, Identification of Natural Ligands for SH2 Domains from a Phase Display cDNA library, J. Mol. Biol. 297:89-97		
	/J.H./	CK	COTE et al., 1998, Combination of gene targeting and substrate trapping to identify substrates of protein tyrosine phosphatases using PTP-PEST as a model, Biochemistry 37:13128-13137	

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		Examiner Name	Not Yet Assigned Julie Ha		
Sheet	2	of	4	Attorney Docket Number	SLII-P01-002

/J.H./	CL	DATABASE EMBL Online, December 1, 2001, retrieved from EBI Database accession no. Q69575 XP002224616 Peptide comprising LLYGAFG abstract	
	CM	DENG et al., 2001, Identifying substrates for endothelium-specific Tie-2 receptor tyrosine kinase from phage-displayed peptide libraries for high throughput screening, Comb Chem High Throughput Screen 4:525-533	
	CN	DENTE et al., 1997, Modified phage peptide libraries as a tool to study specificity of phosphorylation and recognition of tyrosine containing peptides, J Mol Biol. 269:694-703	
	CO	DEVINNEY et al., 2000, Phosphatases and kinases delivered to the host cell by bacterial pathogens, Trends in Microbiol. 8(1):29-33	
	CP	DOUGHERTY, 2000, Unnatural amino acids as probes of protein structure and function, Curr. Opin. in Chem. Biol. 4:645-652	
	CQ	ELCHEBLY et al., 1999, Increased insulin sensitivity and obesity resistance in mice lacking the protein tyrosine phosphatase-1B gene, Science 283:1544-1548	
	CR	ESPANEL and SUDOL, 2001, Yes-associated Protein and p53-binding Protein-2 Interact through Their WW and SH3 Domains, J. Biol. Chem. 276(17):14514-14523	
	CS	ESPANEL et al., 2001, Pulling strings below the surface: hormone receptor signaling through inhibition of protein tyrosine phosphatases, Endocrine 15:19-28	
	CT	FACHINGER et al., 1999, Functional interaction of vascular endothelial-protein-tyrosine phosphatase with the Angiopoietin receptor Tie-2, Oncogene 18:5948-5953	
	CU	FELICI et al., 1991, Selection of Antibody Ligands from a Large Library of Oligopeptides Expressed on a Multivalent Exposition Vector, J. Mol. Biol. 222:301-310	
	CV	FLINT et al., 1997, Development of "substrate-trapping" mutants to identify physiological substrates of protein tyrosine phosphatases, Proc. Natl. Acad. Sci. USA 94:1680-1685	
	CW	FRIDEN et al., 1993, Blood-Brain Barrier Penetration and in Vivo Activity of an NGF Conjugate, Science 259:373-377	
	CX	GARTON et al., 1996, Identification of p130 ^{Cas} as a substrate for the cytosolic protein tyrosine phosphatase PTP-PEST, Mol. Cell. Biol. 16:6408-6418	
	CY	GOLDSTEIN et al., 1998, Regulation of the insulin signalling pathway by cellular protein-tyrosine phosphatases, Mol. Cell. Biochem. 182:91-99	
	CZ	GOLEBIEWSKI et al., 2001, High-throughput organic syntheses of peptide mimetics," Curr. Opin. in Drug Disc. and Dev. 4(4):428-434	
	CA1	GROVES et al., 1998, Structural Basis for Inhibition of the Protein Tyrosine Phosphatase 1B by Phosphotyrosine Peptide Mimetics, Biochem. 37:17773-17783	
	CB1	HIGASHI et al., 2002, SHP-2 Tyrosine Phosphatase as an Extracellular Target of <i>Helicobacter pylori</i> CagA Protein, Science 295:683-686	
	CC1	HOOFT van HUIJSDUIJNEN, 1998, Protein tyrosine phosphatases: counting the trees in the forest, Gene 225:1-8	
	CD1	HRUBY and BALSE, 2000, Conformational and Topographical Considerations in Designing Agonist Peptidomimetics from Peptide Leads, Curr. Med. Chem. 7:945-970	
	CE1	HUYER et al., 1998, Affinity selection from peptide libraries to determine substrate specificity of protein tyrosine phosphatases, Anal. Biochem. 258:19-30	
	CF1	JAIN and MUNN, 2000, Leaky vessels? Call Ang1!, Nature Med. 6(2):131-132	
	CG1	KIM and KAHN, 2000, A Merger of Rational Drug Design and Combinatorial Chemistry: Development and Application of Peptide Secondary Structure Mimetics, Comb. Chem. & High Throughput Screen. 3:167-183	
	CH1	KLAMAN et al., 2000, Increased energy expenditure, decreased adiposity, and tissue-specific insulin sensitivity in protein-tyrosine phosphatase 1B-deficient mice, Mol. Cell. Biol 20:5479-5489	
/J.H./	CI1	KOLE et al., 1996, A Peptide-based Protein-tyrosine Phosphatase Inhibitor Specifically Enhances Insulin Receptor Function in Intact Cells, J. Biol. Chem. 271(24):14302-14307	
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/J.H./	CJ1	LANDER et al., 2001, Initial sequencing and analysis of the human genome, Nature 409:860-921		
↓	CK1	LARSEN et al., 2002, Synthesis and biological activity of a novel class of small molecular weight peptidomimetic competitive inhibitors of protein tyrosine phosphatase 1B, J. Med. Chem. 45:598-622		
	CL1	LINDGREN et al., 2000, Cell-penetrating peptides, TIPS 21:99-103		
	CM1	MARCUS et al., 1996, Cytokine-induced increases in endothelial permeability occur after adhesion molecule expression, Surgery 120:411-417		
	CN1	MATOZAKI and KASUGA, 1996, Roles of Protein-Tyrosine Phosphatases in Growth Factor Signalling, Cell. Signal. 8(1):13-19		
	CO1	MURLI et al., 2001, Role of tyrosine kinases and the tyrosine phosphatase SptP in the interaction of <i>Salmonella</i> with host cells, Cell. Microbiol. 3(12):795-810		
	CP1	MURPHY et al., 2000, Simplified amino acid alphabets for protein fold recognition and implications for folding, Protein Eng. 13(3):149-152		
	CQ1	MURTHY et al., 1999, Fusion Proteins Could Generate False Positives in Peptide Phage Display, BioTechniques 26(1):142-149		
	CR1	NOGUCHI et al., 2001, Inhibition of Cell Growth and Spreading by Stomach Cancer-associated Protein-tyrosine Phosphatase-1 (SAP-1) through Dephosphorylation of p130 ^{CAS} , J. Biol. Chem. 276(18):15216-15224		
	CS1	ODENBREIT et al., 2000, Translocation of <i>Helicobacter pylori</i> CagA into Gastric Epithelial Cells by Type IV Secretion, Science 287:1497-1500		
	CT1	PATHAK and YI, 2001, Sodium Stibogluconate Is a Potent Inhibitor of Protein Tyrosine Phosphatases and Augments Cytokine Response in Hemopoietic Cell Lines, J. Immunol. 167:3391-3397		
	CU1	PELLEGRINI et al., 1998, Mapping the subsite preferences of protein tyrosine phosphatase PTP-1B using combinatorial chemistry approaches, Biochemistry 37(45):15598-15606		
	CV1	RANNEY, 1999, Biomimetic Transport and Rational Drug Delivery, Biochem. Pharm. 59:105-114		
	CW1	ROGOV and NEKRASOV, 2001, A numerical measure of amino acid residues similarity based on the analysis of their surroundings in natural protein sequences, Protein Eng. 14(7):459-463		
	CX1	SALMEEN et al., 2000, Molecular Basis for the Dephosphorylation of the Activation Segment of the Insulin Receptor by Protein Tyrosine Phosphatase 1B, Mol. Cell 6:1401-1412		
	CY1	SARMIENTO et al., 2000, Structural Basis of Plasticity in Protein Tyrosine Phosphatase 1B Substrate Recognition, Biochem. 39:8171-8179		
	CZ1	SCHMITZ et al., 1996, Catalytic specificity of phosphotyrosine kinases Blk, Lyn, c-Src and Syk as assessed by phage display, J. Mol. Biol. 260:664-677		
	CA2	SCHWARZE and DOWDY, 2000, <i>In vivo</i> protein transduction: intracellular delivery of biologically active proteins, compounds and DNA, TIPS 21:45-48		
	CB2	SEO et al., 1997, Overexpression of SAP-1, a Transmembrane-Type Protein Tyrosine Phosphatase, in Human Colorectal Cancers, Biochem. Biophys. Res. Comm. 231:705-711		
	CC2	TERRY et al., 1997, Accessibility of peptides displayed on filamentous bacteriophage virions: susceptibility to proteinases, Biol. Chem. 378:523-530		
	CD2	VENTER et al., 2001, The Sequence of the Human Genome, Science 291:1304-1351		
CE2	VETTER et al., 2000, Assessment of protein-tyrosine phosphatase 1B substrate specificity using 'inverse alanine scanning', J. Biol. Chem. 275:2265-2268			
CF2	WALCHLI et al., 2000, Identification of tyrosine phosphatases that dephosphorylate the insulin receptor. A brute force approach based on "substrate-trapping" mutants, J. Biol. Chem. 275:9792-9796			
/J.H./	CG2	WANG et al., 2002, Screening combinatorial libraries by mass spectrometry. 2. Identification of optimal substrates of protein tyrosine phosphatase SHP-1, Biochemistry 41(19):6202-6210		
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/J.H./	CH2	WIENER et al., 1994, Overexpression of the tyrosine phosphatase PTP1B is associated with human ovarian carcinomas, Am. J. Obstet. Gynecol. 170:1177-1183	
↓	CI2	WU et al., 1997, Comparative kinetic analysis and substrate specificity of the tandem catalytic domains of the receptor-like protein-tyrosine phosphatase alpha, J. Biol. Chem. 272:6994-7002	
↓	CJ2	ZHANG et al., 1993, Substrate specificity of the protein tyrosine phosphatases, Proc. Natl. Acad. Sci. USA 90:4446-4450	
↓	CK2	ZHANG et al., 2000, Thermodynamic Study of Ligand Binding to Protein-tyrosine Phosphatase 1B and Its Substrate-trapping Mutants, J. Biol. Chem. 275(44):34205-34212	
/J.H./	CL2	ZHANG, 2001, Protein tyrosine phosphatases: prospects for therapeutics, Curr Opin Chem Biol. 5(4):416-23	

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